

In re Patent Application of
GORSUCH ET AL.
Serial No. **Not Yet Assigned**
Filed: **Herewith**

In the Claims:

Claims 1-2 (Cancelled).

3. (New) A method for operating a CDMA user device comprising:

establishing a communication session with at least one base station, the communication session comprising a plurality of layers including a physical layer;

negotiating a service configuration with the at least one base station, the user device receiving at least one assigned subchannel from the at least one base station;

establishing a physical layer connection with the at least one base station on the at least one assigned subchannel, the physical layer connection corresponding to the physical layer;

releasing the at least one assigned subchannel so that the physical layer connection is terminated; and

maintaining a state of at least one other layer during the communication session after termination of the physical layer.

4. (New) A method according to Claim 3, wherein the at least one assigned subchannel comprises a plurality of assigned subchannels.

5. (New) A method according to Claim 3, further comprising releasing all assigned subchannels so that the user device is in a dormant state.

6. (New) A method according to Claim 3, further comprising negotiating a second service configuration with

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the at least one base station, the user device receiving at least one second assigned subchannel.

7. (New) A method according to Claim 5, further comprising negotiating a second service configuration with the at least one base station, the user device receiving at least one second assigned subchannel.

8. (New) A method according to Claim 7, further comprising transmitting data to the at least one base station on the at least one second assigned subchannel.

9. (New) A method according to Claim 7, wherein negotiating the second service configuration does not require reestablishment of the state of the at least one other layer being maintained during the communication session.

10. (New) A method according to Claim 3, wherein releasing the at least one assigned subchannel occurs when the user device does not have any data to transmit.

11. (New) A method according to Claim 3, wherein the at least one assigned subchannel comprises a first assigned subchannel having a first bandwidth, and a second assigned subchannel having a second bandwidth less than the first bandwidth.

12. (New) A method according to Claim 5, further comprising negotiating a second service configuration with the at least one base station after maintaining the user device in

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the dormant state, and after the user device receives at least one second assigned subchannel.

13. (New) A method according to Claim 7, wherein the at least one second assigned subchannel comprises a plurality of assigned subchannels.

14. (New) A method according to Claim 3, wherein the user device transmits voice and data on the at least one assigned subchannel.

15. (New) A method according to Claim 3, wherein negotiating the service configuration comprises communicating a requested bandwidth allocation to the at least one base station.

16. (New) A method according to Claim 15, wherein the at least one assigned subchannel is less than the requested bandwidth.

17. (New) A method according to Claim 7, further comprising monitoring a data buffer associated with the second service connection.

18. (New) A method according to Claim 3, further comprising monitoring a data buffer associated with the physical layer connection.

19. (New) A method according to Claim 3, wherein the plurality of layers includes a network layer, and the

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state of the at least one other layer being maintained during the communication session is the network layer.

20. (New) A method according to Claim 7, wherein a bandwidth associated with the service connection is different than a bandwidth associated with the second service configuration.

21. (New) A method for operating a CDMA user device comprising:

establishing a communication session with at least one base station, the communication session comprising a plurality of layers including a physical layer;

negotiating a service configuration with the at least one base station, the user device receiving an assigned bandwidth from the at least one base station;

establishing a physical layer connection with the at least one base station on the assigned bandwidth, the physical layer connection corresponding to the physical layer;

releasing the assigned bandwidth so that the physical layer connection is terminated; and

maintaining a state of at least one other layer during the communication session after termination of the physical layer.

22. (New) A method according to Claim 21, wherein the assigned bandwidth is in the form of a greater number of radio links of relatively lesser bandwidth, or a lesser number of radio links of relatively greater bandwidth.

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23. (New) A method according to Claim 21, wherein the assigned bandwidth is the form of a radio link having a greater bandwidth relative to another radio link that may be assigned to the user device.

24. (New) A method according to Claim 21, further comprising maintaining the user device in a dormant state after releasing the assigned bandwidth.

25. (New) A method according to Claim 21, further comprising negotiating a second service configuration with the at least one base station, the user device receiving a second assigned bandwidth, and negotiating the second service configuration does not require reestablishment of the state of the at least one other layer being maintained during the communication session.

26. (New) A method according to Claim 24, further comprising negotiating a second service configuration with the at least one base station, the user device receiving a second assigned bandwidth, and negotiating the second service configuration does not require reestablishment of the state of the at least one other layer being maintained during the communication session.

27. (New) A method according to Claim 21, wherein negotiating the service configuration comprises communicating a requested bandwidth allocation to the at least one base station.

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28. (New) A method for operating a CDMA user device comprising:

establishing a communication session with at least one base station, the communication session comprising a plurality of layers including a physical layer;

negotiating a service configuration with the at least one base station, the user device receiving at least one assigned radio link from the at least one base station;

establishing a physical layer connection with the at least one base station over the at least one assigned radio link, the physical layer connection corresponding to the physical layer;

releasing the at least one assigned radio link so that the physical layer connection is terminated; and

maintaining a state of at least one other layer during the communication session after termination of the physical layer.

29. (New) A method according to Claim 28, wherein the at least one assigned radio link comprises a plurality of assigned radio links.

30. (New) A method according to Claim 29, wherein a bandwidth of the plurality of assigned radio links is variable.

31. (New) A method according to Claim 29, wherein the plurality of radio links comprise a first radio link having a first bandwidth, and a second radio link having a second bandwidth less than the first bandwidth.

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32. (New) A method according to Claim 29, wherein the plurality of radio links comprise a first radio link having a first bandwidth, and a second radio link having a second bandwidth greater than the first bandwidth.

33. (New) A method according to Claim 28, further comprising maintaining the user device in a dormant state after releasing the at least one assigned radio link.

34. (New) A method according to Claim 28, further comprising negotiating a second service configuration with the at least one base station, the user device receiving a second assigned radio channel, and negotiating the second service configuration does not require reestablishment of the state of the at least one other layer being maintained during the communication session.

35. (New) A method according to Claim 28, wherein at least one code is assigned to define each assigned radio link.

36. (New) A method according to Claim 28, further comprising simultaneously transmitting voice and data over the at least one assigned radio link.